



2011-2012 Winter Service Program



Keep Your Equipment Running Like New This Spring!

**Prices Good on Repair Orders
Received Through March 1, 2012**

**Take Advantage of our No Pay
Till May 10, 2012 or up to a 5%
Cash Discount on Winter Service Invoices**

**Free Pick-Up and Delivery on orders
over \$1,500**

**See Inside Cover for Details*



*Call Today to
Book Your Service*



**Syracuse-Buffalo 1-800-564-5297, x23
Albany-Vermont 1-800-564-5587, x129**



www.grasslandcorp.com



Take advantage of our Winter Service Program and have the choice of:



**MAY 10, 2012 Terms
or up to a 5% Cash Discount
on all Winter Service Invoices**

*Applies to Winter Service Program invoices only. Credit qualified customers only with no past due amounts as of time of service. All other accounts will be billed at normal credit terms. Invoices due May 10, 2012. After 5/10/2012, standard finance charges apply.

Cash discounts may be applied as follows:
Invoices paid by January 10th, 5% cash discount
Invoices paid by March 10th, 3% Cash Discount
Net Due May 10, 2012

Free Pick-Up and Delivery Available



Free pick-up and delivery applies to Winter Service Program orders that total \$1,500 or more. Otherwise, standard pick-up and delivery charges apply.

Repair Turn Around Time Promise



Any piece of Toro equipment that has been serviced by Grassland in conjunction with our 2011/2012 Winter Service Program will come with the following peace of mind assurance.

In the case of an unexpected break down during the 2012 mowing season, we will promise to have your equipment repaired and back to you in 5 working days or less, from the time you call until the time your equipment is back in your possession ready to use.

2011-2012 Winter Service Program

TORO Greensmaster 500, 105

Maintenance & Service Performed

Replace Air Cleaner Filter
Service Air Filter Foam Element
Check for loose Fasteners
Lubricate All Grease Fittings
Change Engine Oil
Adjust Traction Drive Belts
Clean Fuel Filter and Bowl
Change Transmission Oil
Replace Spark Plug
Torque Head Bolts
Adjust the Reel Drive
Sharpen Reel
Replace 1/8" Bedknife and Screws
Set Height of Cut

\$269.95



Annual Recommendations

Cost Additional: ☆

Replace All Interlock Switches
Replace Drive Belts

Items listed above are recommended every 1500 hours or 2 years whichever occurs first.

TORO Greensmaster 800, 1000, 1600

Maintenance & Service Performed

Replace Air Filter Service Pre-Cleaner
Lubricate All Grease Fittings
Check for loose Fasteners
Clean Fuel Filter and Sediment Bowl
Adjust Traction Drive Belts
Change Engine Oil
Replace Spark Plug
Set Cut-Off Bar Adjustment
Adjust Valves and Torque Head Bolts
Sharpen Reel
Replace 1/8" Bedknife and Screws
Parallel Reel
Set Height of Cut
*GR-800 & GR-1600 Add \$10.00

\$309.95



Annual Recommendations

Cost Additional: ☆

Replace All Interlock Switches
Replace Drive Belts

Items listed above are recommended every 1500 hours or 2 years whichever occurs first.

TORO Greensmaster Flex 21

Maintenance & Service Performed

Replace Air Filter Service Pre-Cleaner
Check for Loose Fasteners
Replace Fuel Filter and Clean Sediment Bowl
Change Engine Oil
Replace Spark Plug
Check and Adjust Parking Brake
Check that Pivot Joints Operate Freely
Clean engine cooling fins
Set Cut-Off Bar Adjustment
Adjust Valves and Torque Head Bolts
Sharpen Reel
Replace 1/8" Bedknife and Screws
Parallel Reel
Set Height of Cut

\$279.95



Annual Recommendations

Cost Additional: ☆

Replace All Interlock Switches

Item listed above is recommended every 1500 hours or 2 years whichever occurs first.

2011-2012 Winter Service Program

TORO Greensmaster 3000 Series

Maintenance & Service Performed

Service Battery, Check Cable Connections & Clean
Service Air Filter Pre-Cleaner
Replace Air Filter Element
Lubricate All Grease Fittings
Change Engine Oil
Replace Engine Oil Filter (GR3100/3050)
Torque Wheel Lug Nuts
Adjust Steering Cable (GR300/3050)
Adjust Traction Linkage
Replace Spark Plug(s)
Replace Fuel Filter
Replace Hydraulic Filter
Test Hydraulic Performance and Functions
Torque Head(s)
Adjust Engine RPM (idle and full throttle)
Check Reel Bearing Preload Adjustment
Sharpen Reels
Replace Standard Bedknives
Parallel Cutting Units
Set Height of Cut

\$769.95



Annual Recommendations **Cost Additional:** ☆

Replace Moving Hoses
Replace Safety Switches
Fuel Tank - Drain/Flush
Hydraulic Tank - Drain/Flush
Replace Hydraulic Filter

Items listed above are recommended every 1500 hours or 2 years whichever occurs first.

TORO Reelmaster 2000/3000 Series

Maintenance & Service Performed

Replace Air Filter, Inspect Dust Cup and Baffle
Lubricate All Grease Fittings
Adjust Fan and Alternator Belt Tensions
Inspect Cooling System Hoses
Test Coolant, add as required
Change Engine Oil and Filter
Adjust Traction Belt Tension
Replace Fuel /Water Separator Filter
Replace Hydraulic Filter
Torque Wheel Lug Nuts
Service Battery, Check Connections and Clean
Inspect Traction Linkage Movement
Test Hydraulic Performance and Functions
Inspect Spider Coupling for Wear
Torque Head Bolts
Adjust Engine RPM (idle and full throttle)
Sharpen Reels
Replace Bedknives
Parallel Cutting Units
Set Height of Cut

\$879.95



Annual Recommendations **Cost Additional:** ☆

Replace all Moving Hoses
Replace Safety Switches
Cooling System – Flush/Replace Fluid
Replace Thermostat
Fuel Tank – Drain/Flush
Hydraulic Tank – Drain/Flush
Replace Hydraulic Fluid/Filter

Items listed above are recommended every 1500 hours or 2 years whichever occurs first.

2011-2012 Winter Service Program

TORO Reelmaster 4000 Series

Maintenance & Service Performed

Lubricate Reel Control Valve Grease Fitting
Lubricate Reel Speed Control Valve with Oil
Lubricate all Grease Fittings
Service Battery, Inspect Connections and Clean
Change Engine Oil and Filter
Replace Hydraulic Filter
Drain water from Hydraulic Tank
Adjust Cooling Fan and Alternator Belts
Inspect Cooling System Hoses
Test Coolant, add as required
Replace Air Cleaner Filter Element
Inspect Cutting Unit Reel Drive Belts
Torque Wheel Lug Nuts
Replace Fuel Filter
Inspect Fuel Lines and connections
Torque Cylinder Head and Adjust Valves
Adjust Engine RPM (idle and full throttle)
Replace Hydraulic Tank Breather
Check Front Planetary Gear Lube
Pack Rear Axle Bearings (2wd)
Adjust Rear Wheel Toe-in
Sharpen Reels/Replace Bedknives
Parallel Cutting Units
Set Height of Cut

\$1,879.95



Annual Recommendations ☆

Replace all Moving Hydraulic Hoses
Replace Safety Switches
Cooling System - Flush/Replace Fluid
Change Hydraulic Oil
Replace Hydraulic Oil Filter
Drain and Clean Fuel Tank

Items listed above are recommended every 1500 hours or 2 years whichever occurs first.

TORO Reelmaster 5000 Series

Maintenance & Service Performed

Service Battery, Inspect Cable Connections & Clean
Lubricate All Grease Fittings
Change Engine Oil
Replace Air Filter, Inspect Dust Cup and Baffle
Check Fan and Alternator Belt Tension
Replace Engine Oil Filter
Inspect Cooling System Hoses
Test Coolant, add as required
Replace Hydraulic Filter
Replace Transmission Filter
Test Hydraulic Performance and Functions
Drain Water From Hyd. Tank
Drain Water From Fuel Tank
Replace Electric Fuel Pump Filter
Replace Fuel/Water Separator Filter
Inspect Traction Linkage Movement
Torque Head and Adjust Valves
Adjust Engine RPM (idle and full throttle)
Adjust Rear Wheel Toe-in
Rear Axle Service
- Pack Rear Wheel Bearings and Adjust (2WD)
- Change Rear Axle Lubricant (4WD)
Torque Wheel Lug Nuts
Check Backlap Function
Check Reel Bearing Preload Adjustment
Sharpen Reels
Replace Bedknives
Parallel Cutting units

\$1,319.95



Annual Recommendations ☆ **Cost Additional:**

Replace Moving Hoses
Replace Safety Switches
Coolant System - Flush/Replace Fluid
Fuel Tank - Drain/Flush
Hydraulic Tank - Drain/Flush
Change Hydraulic Fluid
Change Transmission Fluid

Items listed above are recommended every 1500 hours or 2 years whichever occurs first.

2011-2012 Winter Service Program

TORO Sand Pro & Infield Pro

Maintenance & Service Performed

Replace Engine Oil
Replace Engine Oil Filter
Replace Spark Plugs
Replace Fuel Filter
Replace Remote Air Filter Element
Replace Engine Air Filter Element
Adjust Engine RPM (idle and full throttle)
Lube Front Wheel Bearing
Lube Traction Control Linkage
Lube Steering Shaft Grease Fitting
Adjust Steering Chain
Torque Wheel Lug Nuts
Change Hydraulic Oil
Replace Hydraulic Oil Filter
Service Battery, Inspect Cable

\$399.95



Annual Recommendations Cost Additional: ☆

Decarbon Combustion Chambers
Torque Heads and Adjust Valves
Drain and Clean Fuel Tank
Replace Moving Hoses
Replace Traction Safety Switches

Items listed above are recommended every 1500 hours or 2 years whichever occurs first.

TORO Groundsmaster 200 Series

Maintenance & Service Performed

Adjust Battery Cable Connections
Lubricate All Grease Fittings
Lubricate Brake Cables
Clean Under Cutting Unit Belt Covers
Adjust Cutting Unit Drive Belt Adjustment
Change Engine Oil
Inspect Air Filter, Dust Cup, and Baffle
Replace Engine Oil Filter
Adjust Electric Clutch Gap Adjustment
Adjust PTO Belt Tension
Adjust Fan and Alternator Belt Tension
Inspect Cooling System Hoses
Test Coolant
Service Air Filter
Replace Gasoline Fuel Filter (gas unit)
Adjust Rear Wheel Toe-In and Steering Linkage
Replace Transmission Filter
Adjust Hydraulic Performance and Functions
Torque Wheel Lug Nuts
Adjust Injector Nozzles (diesel unit)
Change Cutting Unit Gear Box Oil
Replace Electric Fuel Pump Filter (diesel unit)
Rear Axle Service
- Pack rear wheel bearings and adjust (2WD)
- Change rear axle lubricant (4WD)
Coat Transmission By-pass Pins with Grease
Replace Spark Plugs (gasoline unit)
Torque Head, Adjust Valves, and Adjust Engine RPM
Replace Cutter Blades (sharpening old additional)

\$519.95



Annual Recommendations Cost Additional: ☆

Replace Safety Switches
Coolant System - Flush/Replace Fluid
Change Hydraulic Oil
Replace Moving Hoses
Drain and Clean Fuel Tank (diesel unit)

Items listed above are recommended every 1500 hours or 2 years whichever occurs first.

2011-2012 Winter Service Program

TORO Groundsmaster 300 Series

Maintenance & Service Performed

Service Battery/Cable Connections/Clean Terminals
Lubricate Grease Fittings
Adjust & Lubricate Brake Cables
Clean Under Cutting Unit Belt Covers
Adjust Cutting Unit Drive Belt
Change Engine Oil & Filter
Adjust PTO Belt Tension
Replace Air Filter, Inspect Dust Cup and Baffle
Adjust Fan and Alternator Belt Tension
Test Coolant, add as required
Inspect Cooling System Hoses
Test Hydraulic Performance and Functions
Test Engine Performance
Replace Transmission Oil Filter
Replace Fuel Filter (gas only)
Replace Spark Plugs (gas only)
Adjust Rear Wheel Toe-In and Steering Linkage
Torque Wheel Lug Nuts
Replace Water Separator Filter (diesel only)
Replace Electric Fuel Pump Filter (diesel only)
Inspect Fuel Lines and Connections (diesel only)
Change Cutting Unit Gear Box Oil
Pack Rear Wheel Bearings and Adjust (2WD)
Change Rear Axle Lubricant (4WD)
Torque Head, Adjust Valves, and Check RPM
Replace Blades (sharpening old, additional)

\$524.95



Annual Recommendations Cost Additional: ☆

Replace Safety Switches
Coolant System - Flush/Replace Fluid
Fuel Tank - Drain/Flush (diesel only)
Change Hydraulic Oil
Replace Moving Hoses

Items listed above are recommended every 1500 hours or 2 years whichever occurs first.

TORO Groundsmaster 455D

Maintenance & Service Performed

Replace Air Filter, Inspect Dust Cup, and Baffle
Replace Fuel Filter
Set Engine RPM (idle and full throttle)
Change Engine Oil and Filter
Inspect Fuel Lines and Connections
Inspect Engine Fan Belt
Inspect Engine Timing Belt
Service Battery, Inspect Connections and Clean
Inspect Cooling System & Hoses
Test Coolant, add as required
Test Hydraulic Performance and Functions
Replace Hydraulic Oil Filter
Lubricate All Grease Fittings
Torque Wheel Lug Nuts
Replace Front Transaxle Oil
Inspect Rear Axle for Leaks (4wd)
Change Rear Axle Oil (4wd)
Pack Rear Axle Bearings and Adjust (2wd)
Adjust Rear Wheel Toe-in
Change Cutting Unit Gear Box Oil
Inspect PTO and Cutting Unit Belts
Inspect Electric PTO Clutch & Adjust
Inspect Electric Deck Clutches & Adjust
Replace Cutter Blades (sharpening old additional)

\$709.95



Annual Recommendations Cost Additional: ☆

Replace Safety Switches
Cooling System - Flush/Replace Fluid
Replace PTO Belts/Cutter Deck Belts
Replace Moving Hydraulic Hoses
Change Hydraulic Oil
Drain and Clean Fuel Tank
Replace Timing Belt

Items listed above are recommended every 1500 hours or 2 years whichever occurs first.

2011-2012 Winter Service Program

TORO Groundsmaster 3500 Series

Maintenance & Service Performed

Replace Air Filter, Inspect Dust Cup,
and Burp Valve
Lubricate All Grease Fittings
Adjust Fan and Alternator Belt Tensions
Inspect Cooling System Hoses
Test Coolant, add as required
Change Engine Oil and Filter
Adjust Traction Belt Tension
Replace Fuel Filter
Replace Fuel Filter/Water Separator
Torque Wheel Lug Nuts
Service Battery Inspect Connections and Clean
Inspect Traction Cable Movement and Adjust
Replace Hydraulic Filter
Flush Hydraulic System, replace oil
Test Hydraulic Performance and Functions
Inspect Spider Coupling for Wear
Adjust Engine RPM (idle and full throttle)
Replace Mowing Blades (sharpening old additional)

\$599.95



Annual Recommendations

Cost Additional: ☆

Replace all Moving Hoses
Replace Safety Switches
Cooling System – Flush/Replace Fluid
Fuel Tank – Drain/Flush

Items listed above are recommended every 1500 hours or 2 years whichever occurs first.

TORO Groundsmaster 4000 Series

Maintenance & Service Performed

Check the Fan and Alternator Belt Tension
Torque the Wheel Lug Nuts
Change the Engine and Oil Filter
Check the Engine RPM (at idle & full throttle)
Lubricate all Grease Fittings
Inspect the Air Cleaner
Service the Air Filter
Check the Battery Level and Cable Connections
Inspect the Cooling System Hoses
Test Coolant, add as required
Change the Hydraulic Oil Filters
Test Hydraulic Performance and Functions
Change the front planetary Gear Lube
Change the Rear Axle Oil Level
Change the Fuel Filters (fuel/water and prefilter)
Inspect the Fuel Lines and Connections
Inspect the Cutting Unit Drive Belts,
Check Tension GM4000, GM4100
Inspect the Cutting Unit Castor Wheel
Assemblies GM4000, GM4100
Check the Rear Wheel Toe-In
Inspect the Cutting Unit Roller
Assemblies GM4500, GM4700D
Replace Cutter Blades (sharpening old additional)

\$839.95*

***GM4700
Add \$100.00**



Annual Recommendations

Cost Additional: ☆

Replace Moving Hoses
Replace Safety Switches
Flush Cooling System and Replace Fluid
Change Hydraulic Fluid
Drain and Clean Fuel Tank

Items listed above are recommended every 1500 hours or 2 years whichever occurs first.

2011-2012 Winter Service Program

TORO Workman 1000/2000 Series

Maintenance & Service Performed

Check the tire pressure
Inspect the condition and wear of the tires
Torque the wheel lug nuts to 45-65 ft-lb (61-88 N-m)
Check the front suspension, wheel toe-in and ride height
Check the brake fluid level
Inspect the brakes
Check brake cable adjustments
Adjust the parking brake
Check the battery cable connections for wear or damage
Check the battery electrolyte level
Replace the air filter element
Change the engine oil
Change the oil filter
Replace the spark plugs/fuel filter
Replace the fuel filter
Clean the engine cooling areas
Clean engine rotating screen
Lubricate all grease fittings
Check the operation of the Neutral gear shift position
Check the condition and tension of the drive belt
Check the tension of the starter generator belt
Inspect the fuel lines and connections
Clean and lubricate the primary drive clutch
Change the transaxle fluid

\$379.95



**Keep it 100% Toro
TOUGH.**

TORO Workman 3000/4000 Series

Maintenance & Service Performed

Service Battery, Inspect Cable Connections and Clean
Lubricate Grease Fittings
Inspect Condition and Wear of Tires
Change Engine Oil and Filter
Inspect Cooling System Hoses (except 3100)
Test Coolant; add as required (except 3100)
Adjust all Cables
Adjust Alternator and Fan Belts
Replace Air Filter (3200,4200,3300,4300)
Oil Pre-Filter, Replace Air Filter (3100)
Inspect Front Axle CV Joint Boot (4WD)
Adjust Engine RPM (Idle and Full Throttle)
Torque Wheel Lug Nuts
Adjust Front Wheel Alignment
Adjust Service and Parking Brakes
Check Governor Oil Level (3200,4200)
Check Governor Adjustments (3200,4200)
Inspect Fuel Lines
Replace Electric Fuel Pump Filter
Replace Fuel/Water Separator Filter (3300,4300)
Torque Cylinder Head and Adjust Valves
Replace Transaxle Filter
Change Transaxle Oil
Clean Transaxle Strainer
Change Front Differential Oil (4WD)
Pack Front Wheel Bearings (2WD)
Replace Spark Plug(s) and Set Timing(3100,3200,4200)

\$569.95



**Annual Recommendations
Cost Additional:** ☆

Replace Interlock Switches
Coolant System - Flush/Replace Fluid
Fuel Tank - Drain/Flush
Change Brake Fluid

*Items listed above are recommended every
1500 hours or 2 years whichever occurs first.*

2011-2012 Winter Service Program

TORO Linepainter 1200

Maintenance & Service Performed

Change Engine Oil
 Replace Engine Oil Filter
 Replace Air Filter and Pre Cleaner
 Clean and Service Fuel Filter
 Replace Spark Plug
 Grease and Lube Machine
 Service Wheels
 Clean Paint Filter Screen
 Check and Adjust Pump Drive Belt
 Inspect Check Valve Diaphragm
 Adjust Paint Control Cable
 Replace Paint Nozzle
 Adjust Pressure Regulator
 Adjust Spray Pump Relief Valve
 Check and Adjust Traction Drive Belt
 Adjust Traction Drive Cable
 Adjust Brake Cable
 Adjust Front Caster Fork (Tracking)
 Adjust Caster Release Cable
 Adjust Gear Shift Linkage
 Check Transmission for Proper Operation
 Test System Operation
 Prepare System for Seasonal Storage

\$164.95



**Keep it 100% Toro
TOUGH.**

Gangmowers—Toro \$249.95* / Jake \$274.95

Maintenance & Service Performed

Drain & Clean Gear Case	Clean & Lube Disengagement Levers
Replace Case Cover Seals	Adjust Tire Pressure
Replace Case Cover Gaskets	Replace Gear Case Lube
Adjust Reel Bearings	Sharpen Reel & Bedknife
Adjust Wheel Bearings	Adjust Reel to Bedknife
Adjust Roller Bearings	Grease & Lube all Fittings
Clean & Lube Rod Ends	

*Add \$20.00 for 11 blade units

Sharpen and Adjust Only

GR105/500 \$144.95	RM216\$174.95
GR800 \$159.95	RM2000/3000\$174.95
GR1000 \$159.95	RM5000/5400\$159.95
GR1600 \$169.95	RM4000/4500\$179.95
GR3000 \$149.95	Toro Gangs*.....\$164.95
Flex 21 \$159.95	Jake Gangs*\$194.95

- Prices include standard bedknife, screws and bushings
- Prices are per cutting unit
- R&R from traction unit or frames additional
- Pressuring washing, if required, additional

*Add \$20.00 each 11 blade units



Irrigation Service News

Golf Irrigation Winter Service Specials

Weather Station Services,

Toro and Non-Toro Systems: \$500.00

- Take a relative humidity reading and replace desiccant as needed.
- Inspect pyranometer for contamination.
- Clean out rain gauge of debris and level.
- Calibrate the rain gauge.
- Check filter of the temperature/humidity sensor.
- Clean temperature/humidity sensor.
- Calibrate the temperature/humidity probe.
- Clean Gill radiation shield.
- Inspect anemometer bearings.
- Inspect wind vane bearings.
- Test battery for proper volts.
- Clean solar array
- Inspect all wires for cracking and deterioration.
- Check for proper communication to central computer.



Earth Grounding Test:

\$15.00 per location

- Ohm each location as per the manufacturer's specifications. Price assumes customer has located all ground rods in advance.
- Product report showing results of tests and recommendations for improvement if required.



Satellite Preventive Maintenance:

\$80.00 per satellite

- Clean satellite of all pests and debris
- Inspect for damaged parts
- Test for proper grounding as per manufacturer's specs
- Check for proper voltage power. Inspect all wire connections and condition of wires.
- Check communication strength. Confirm that satellite communicates with central. Listen to signal to minimize interference.
- Inspect all fuses to confirm proper amp rating and size.
- Confirm Timing Mechanism functions
- Inspect all solenoid wires for proper connection and condition.
- Ohm each station to verify 24 volt output and give written form to superintendent.



To schedule any of these services please contact:

David Knox
Service Manager
518- 857- 9883



Proper Winterization *by David Knox*

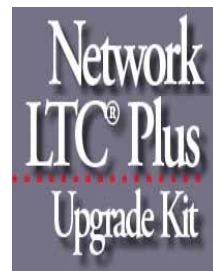
Proper Winterization of your Irrigation System is critical to preventing damage to your system over the winter. **Improper blow-out procedures such as excessive pressure or repeating the blow-out procedure can cause damage to your sprinkler heads.** Toro has published detailed recommendations for both pressurization and winterization of your system. This document can be found on our web site, www.grasslandcorp.com.

LTC to VP Upgrade Kit Now Available



LTC+ Users can now economically upgrade to a state of the art VP.

- Easily upgrades your Network LTC® Plus satellite to a state-of-the-art Network VP® satellite
- Station based flow management simplifies programming and reduces water window
- Faster downloads—seconds per satellite
- Easier to program—intuitive user interface

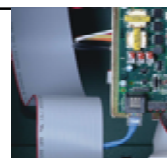


Network LTC Plus Upgrade Kit consists of Network VP faceplate, power distribution board, cable and hardware. Contact us for a quote on materials and installation.



Board Repair *by David Knox*

Late Fall and Winter, when your system is out of service, is a great time to send in any damaged face plates or boards from your field satellites for replacement or repair. Refurbished components are available from Toro at a fraction of the price of new with an exchange.



Parts and Operations Manuals



For your convenience Grassland has posted the owner's manuals for many popular Golf and Non-Golf Irrigation Products on our web site. You will also find a complete Toro Residential Commercial & Golf Irrigation Parts Book that is available to download. If you do not have access to the internet and need a copy of any manual or a complete parts book, just contact us. We would be happy to send you copies free of charge.



**The quality you deserve
at the price you desire.**



www.turfequipmenttrader.com